GROUP 2 HERBICIDE

# LAYA

## HERBICIDE

H

For the control of certain broad-leaved weed species in cereal and linseed crops and green cover on land temporarily removed from production.
See detailed label text for specific information.

## WHEAT, BARLEY, OATS, TRITICALE, LINSEED

## MAPP 19016

**200 g/kg metsulfuron-methyl**
Water-soluble granule (SG)

**NET CONTENTS:**

# 240 G

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

www.lifescientific.com

**LAYA - MAPP 19016**
**Contains 200 g/kg metsulfuron-methyl as a water-soluble granule formulation.**
**LAYA is a sulfonyl urea herbicide for spring-applied broad-leaved weed control in wheat, barley, oats, triticale, linseed and on land temporarily removed from production.**

PEEL BACK FOR DIRECTIONS FOR USE LEAFLET

**WARNING**

**VERY TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS.**
Keep out of reach of children.
Collect spillage.
Dispose of contents/container to a licensed hazardous waste disposal contractor or collection site except for empty clean containers which can be disposed of as non-hazardous waste.
Do not contaminate water with the product or its container (Do not clean application equipment near surface water/ avoid contamination via drains from farmyards and roads).
**To avoid risks to human health and the environment, comply with the instructions for use.**

FOR USE ONLY AS A PROFESSIONAL HERBICIDE

| Crops and situations: | Maximum individual dose (g product/ha) | Maximum number of treatments | Latest time of application |
|---|---|---|---|
| Wheat, barley, oats and triticale | 30 g/ha | One per crop | Before flag leaf sheath extending stage |
| Linseed | 30 g/ha | One per crop | Before flower buds visible, or up to 25 cm tall, whichever is the sooner |
| Green cover on land not being used for crop production | 30 g/ha | One per year | Before 1st August in year of application |

**Other specific restrictions:**

- For winter cereals; application must only be made after 15 March and before specified latest time of application.
- For spring cereals, linseed and green cover on land not being used for crop production; this product must only be applied from 1 April in the year of harvest until the specified latest time of application.
- Treated green cover on land temporarily removed from production must not be grazed by livestock or harvested for human or animal consumption or used for animal bedding. This product must only be applied to green cover on land temporarily removed from production where the crop cover is predominantly (i.e. sufficient to maintain reasonable cover) grassland, wheat, barley, oats or triticale.
- A minimum period of 120 days must be observed prior to planting of succeeding crops following treatment with LAYA. Please refer to the crop specific information for additional planting restrictions.

**READ THE LABEL AND SAFETY PRECAUTIONS BEFORE USING. USING THIS PRODUCT IN A MANNER THAT IS INCONSISTENT WITH THE LABEL MAY BE AN OFFENCE. FOLLOW THE CODE OF PRACTICE FOR USING PLANT PROTECTION PRODUCTS.**

**UFI: 01GY-VHV7-G00U-D5SV**

**Marketing Company and Approval Holder:** Life Scientific Ltd, Block 4, Belfield Office Park, Beech Hill Road, Dublin 4, Ireland. Tel: + 353 1 283 2024

**The (COSHH) Control of Substances Hazardous to Health Regulations may apply to the use of this product at work.**

**For 24 hour emergency information contact NHS 111**

**Batch No. See Packaging**

5 391534 948575 >

170202823801_V4

**SAFETY PRECAUTIONS**

**Operator Protection**

Engineering control of operator protection must be used where reasonably practicable in addition to the following personal protective equipment.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS), SUITABLE PROTECTIVE GLOVES AND FACE PROTECTION (FACESHIELD) when handling the concentrate.

WEAR SUITABLE PROTECTIVE CLOTHING when applying the product.

WEAR SUITABLE PROTECTIVE CLOTHING (COVERALLS) and SUITABLE PROTECTIVE GLOVES when handling contaminated surfaces.

However, engineering controls may replace personal protective equipment if a COSHH assessment shows they provide an equal or higher standard of protection.

WHEN USING, DO NOT EAT, DRINK OR SMOKE.

WASH ANY CONTAMINATION from eyes immediately.

WASH HANDS AND EXPOSED SKIN before meals and after work.

IF YOU FEEL UNWELL, seek medical advice immediately (show label where possible).

LERAP B

**Environmental Protection**

DO NOT CONTAMINATE SURFACE WATER OR DITCHES with product or its container. Do not clean application equipment near surface water. Avoid contamination via drains from farmyards and roads.

DO NOT ALLOW DIRECT SPRAY from horizontal boom sprayers to fall within 5m of the top of the bank of a static or flowing waterbody, unless a Local Environment Risk Assessment for Pesticides (LERAP) permits a narrower buffer zone, or within 1m of the top of a ditch which is dry at the time of application. Aim spray away from water.

To protect aquatic organisms respect an unsprayed buffer zone to surface water bodies in line with LERAP requirements.

This product qualifies for inclusion in the Local Environment Risk Assessment for Pesticides (LERAP) scheme. Before each application from a horizontal boom sprayer, either a LERAP must be carried out in accordance with the HSE's published guidance or the statutory buffer zone must be maintained. The results of the LERAP must be recorded and kept available for inspection for three years.

**Storage and Disposal**

KEEP AWAY FROM FOOD, DRINK AND ANIMAL FEEDING STUFFS.

KEEP OUT OF REACH OF CHILDREN.

KEEP IN ORIGINAL CONTAINER tightly closed in a safe place.

WASH OUT CONTAINER THOROUGHLY, empty washings into spray tank and dispose of safely.

DO NOT REUSE CONTAINER FOR ANY PURPOSE.

**DIRECTIONS FOR USE**

**IMPORTANT:** This information is approved as part of the Product Label. All instructions within this section must be read carefully in order to obtain safe and successful use of this product.

LAYA is a sulfonylurea herbicide which is highly active against a wide range of broad-leaved weeds. To achieve good control the weeds must be small at application (as larger weeds often become less susceptible) and be actively growing. The size of each weed at the time of application should be noted. Conditions which inhibit growth such as very cold weather or very dry soils will result in reduced control. The main activity is by contact action and so LAYA can be used on all soil types. Under conditions of adequate soil moisture susceptible weeds that germinate shortly after application will also be controlled. The susceptibility of weeds to treatment with LAYA is listed in the following table:

| Weed species | Weeds up to 2 true leaves | Weeds up to 6 true leaves | Weeds up to 15 cm high or across |
|---|---|---|---|
| LAYA **alone:** | | | |
| Alkanet | MS | MS | - |
| Black-bindweed | MS | MR | R |
| Buttercup, Creeping | S | MS | MR |
| Charlock[1] | S | S | S |
| Chickweed, Common[1] | S | S | S |
| Corn marigold | S | S | MS |
| Corn spurrey | S | S | S |
| Crane's-bill, Dove's foot | S | S | - |
| Dead-nettle, Red[1] | S | S | MS |

| Weed species | Weeds up to 2 true leaves | Weeds up to 6 true leaves | Weeds up to 15 cm high or across |
|---|---|---|---|
| Docks | S | S | S |
| Fat-hen | S | MR | R |
| Field speedwell, Common | S | S | MS |
| Fool's Parsley | S | S | MS |
| Forget-me-not, Field | S | MS | MS |
| Hemp-nettle, Common | S | S | S |
| Knotgrass | S | MS | MS |
| Mayweeds[1] | S | S | S |
| Nipplewort | S | S | - |
| Orache, Common | MS | R | R |
| Pale Persicaria | S | S | S |
| Pansy, Field | S | MS | MS |
| Parsley-piert | S | S | S |
| Poppy, Common | S | S | MS |
| Redshank | S | S | S |
| Scarlet pimpernel | S | S | S |
| Shepherd's-purse[1] | S | S | S |
| Sowthistle, Smooth | S | - | - |
| Sun spurge | S | MS | - |
| Venus's Looking-glass | S | S | S |
| Volunteer Rape[1] | S | S | - |
| Volunteer Sugar Beet | S | S | S |
| Wild mignonette | S | MS | MR |

S = Susceptible; MS = Moderately Susceptible; MR = Moderately Resistant; R = Resistant; - = no information.
[1] A lower dose of just 25 g/ha LAYA will control these weed species.

To widen the spectrum of activity and improve the control of some weeds in wheat and barley, LAYA may be tank-mixed with other herbicides. Products should only be tank-mixed if each product can be applied within the label recommendation for its use.

Annual grasses, Cleavers, fumitory, Ivy-leaved speedwell, Wall speedwell, perennial grasses and Wild-oats are resistant to LAYA at all growth stages and tank-mixes are necessary for their control.

A tank-mix of LAYA with fluroxypyr, used as recommended by the manufacturer, will control Black-bindweed, Cleavers and Field forget-me-not in addition to those weeds susceptible to LAYA alone. This mixture should not be used where Ivy-leaved speedwell is prevalent. Do not use this mixture on spring-sown cereals.

**RESTRICTIONS**

LAYA is a very active herbicide. When using extreme care should be taken to ensure that drift does not damage broad-leaved plants outside the target area or reach surface waters, ditches, other water bodies, or land intended for cropping. Application equipment should not be drained or flushed onto land planted or to be planted with any crop other than cereals. Thorough cleaning of application equipment after application is essential to avoid damage to non-cereal crops sprayed later with the same equipment.

Consult contract agents before treating crops grown for seed production.

Do not treat crops under stress. Possible causes of crop stress include poor soil or cultural conditions, adverse climatic conditions, waterlogging or drought, pest or disease attack, low temperatures, lime deficiency, and nutrient deficiency.

Do not use LAYA on crops undersown with grasses, legumes, clover or any broad-leaved crop.

Do not apply LAYA within 7 days of rolling a crop.

Do not use LAYA in tank-mix on oats, triticale and linseed. On linseed allow at least 7 days between LAYA and other treatments (10 days if crop is growing poorly or under stress).

For details of following crop restrictions – see 'FOLLOWING CROPS'.

Refer to 'Compatibility' for details on use of LAYA with other 'ALS inhibiting' herbicides.

**CROP SPECIFIC INFORMATION**

**1. Cereals:**

LAYA can be used on all varieties of wheat, barley, oats and triticale with a dose of 30 g/ha. For Spring cereals application must only be applied from 1st April up until flag leaf sheath extending stage. For Winter cereals application must only be applied after 15th March, and after the beginning of tillering, up until flag leaf sheath extending stage.

LAYA may be applied, at 30g/ha, alone or in tank-mix with other specified herbicides (see approved list in Compatibility section) to wheat and barley but tank-mixtures with any other products should not be used on oats and triticale.

Only cereals, oilseed rape, field beans or grass may be sown in the same calendar year to succeed a cereal crop treated with LAYA.

**2. Linseed:**
LAYA can be used on all varieties of linseed with a dose of 30 g/ha applied to actively growing linseed after the first pair of true leaves have unfolded and after 1st April to before flower buds visible, or up to 25 cm tall, whichever is the sooner. Since linseed is a less competitive crop than cereals, optimum control of annual weeds is achieved by the earliest possible application timing within these limits.

Do not use LAYA in tank-mixture with other products on linseed. When used in sequence with other products allow at least 7 days between applications and increase this interval to at least 10 days under conditions of crop stress or poor growth.

Only cereals should be planted within 16 months of applying LAYA to a linseed crop.

**3. Green cover on land temporarily removed from production (e.g. set-aside)**
LAYA can be used to control susceptible weeds such as docks in these areas only provided that the green cover is mainly composed of grass, wheat, barley, oats or triticale. Reasonable cover must be maintained after treatment. Established grasses may show some stunting and discolouration but seedling grasses should not be treated. Seedling cereals may be treated after the 3 leaf stage. LAYA gives best control of docks when applied 3 weeks before or after cutting but note that due to the very broad spectrum of activity, it should not be used where conservation headlands or wild flower borders are being established. Before use on areas subject to a grant-aided scheme, check compliance with the management rules before application.

One application of 30 g/ha is allowed per calendar year and application must be made between 1st April and 1st August in a water volume of 200 l/ha.

Sow only cereals within 16 months of applying LAYA on green cover on land temporarily removed from production e.g. set-aside.

**RESISTANCE MANAGEMENT**
LAYA is classified as having the HRAC mode of action code '2'. Weeds which are subject to repeated exposure to the same mode of action are at risk of developing resistance to these herbicides. When devising a herbicide programme, incorporate herbicides with different modes of action within crop programmes and throughout crop rotations and, where possible, include physical methods of weed control. The Weed Resistance Action Group (WRAG) has published guidelines on managing weed resistance and copies of this publication should be available from your advisor, AHDB, and from your chemical distributor.

**MIXING AND SPRAYING**
Before spraying it is important to check all hoses, filters and nozzles, and to ensure that the sprayer is clean and correctly set to give an even application at the correct volume. Half fill the spray tank with clean water. Begin agitation and add the required quantity of LAYA directly to the tank without prior creaming. When using in mixtures with other products, always add LAYA to the tank first and ensure thorough dispersal before adding other products. Add the remainder of the water and agitate the mixture thoroughly before and during spraying. A water volume of 100-400 l/ha is recommended with the higher volumes within this range used where weed and crop cover is dense to ensure good coverage of the target weeds.

When applying LAYA alone or in tank-mixture, do not overlap spray swaths.

**COMPATIBILITY AND PERMITTED ALS HERBICIDE TANK-MIXES AND SEQUENCES**
LAYA may be applied with other herbicides provided each product can be applied within the label recommendations for its use. Always add LAYA to the spray tank first when using in tank-mix.

The following 'joint application' with other sulfonylurea and 'ALS inhibiting' herbicides may be applied to a crop. Requirements and restrictions on other product labels must be adhered to. Joint application is the use of LAYA in tank-mixture or sequence with one of the products listed below. LAYA must not be applied in sequence or tank-mix on cereals with products containing any other sulfonylurea or 'ALS inhibitor' except for those listed.

| | | |
|---|---|---|
| Barton WG (MAPP: 13284) | Hatra (MAPP: 16190) | Stanlita® (MAPP: 21002) |
| Boxer (MAPP: 19536) | Horus (MAPP: 16216) | Starane XL (MAPP: 19775) |
| Cintac® (MAPP: 21204) | Hunter (MAPP: 19776) | Sumir® (MAPP: 18473) |
| Eagle (MAPP: 20708) | Milliner® (MAPP: 21074) | Fracas (MAPP: 21126) |
| Flywheel (MAPP: 21076) | Murcia (MAPP: 21424) | |
| Galaxy (MAPP: 18952) | Niantic® (MAPP: 21437) | |
| GF-184 (MAPP: 19744) | Othello (MAPP: 16149) | |

**FOLLOWING CROPS**
When LAYA is applied to cereals, only cereals, oilseed rape, field beans or grass should be sown in the same calendar year after a normal crop harvest. Ploughing after cereal harvest is not a requirement. Any crop may be sown the following calendar year.

When LAYA is applied to linseed or green cover temporarily removed from production only cereals should be drilled within 16 months of treatment.

**Crop Failure**
In the event of crop failure for any reason, only wheat should be sown within 3 months of application of LAYA.

**CLEANING OF APPLICATION EQUIPMENT**
To avoid subsequent damage to crops other than cereals, immediately after spraying LAYA thoroughly clean all spray equipment including inside and outside of lid using a proprietary tank cleaner according to the label instructions. Alternatively follow the following procedure:

- After the spraying is finished, drain the tank completely.
- Thoroughly rinse all interior tank surfaces (including lid) with clean water (use at least 10% of the tank capacity). Take care to remove any visible deposits.
- Flush pump, filters and boom after removing in-line strainers, nozzle tips and screens (clean these parts separately).
- Drain the remainder of the rinsate from the tank. Repeat the rinse, flush and drain the tank. The rinsing water may be sprayed on the crop that has just been treated.

Do not forget to clean the outside of the application equipment.
Nozzles and filters should be removed and cleaned separately with water.

Check the label of all tank-mix partners, and use the most rigorous tank cleaning procedure recommended.

**CONDITIONS OF SUPPLY**
All goods supplied by the company are of good quality and we believe them to be fit for purpose. However, as we cannot exercise control over their storage, handling, mixing or use or the weather conditions before, during or after application, which may affect the performance of the goods, all conditions and warranties, statutory or otherwise, as to the quality or fitness for any purpose of our goods are excluded, and no responsibility will be accepted by us or re-sellers for any failure in performance, damage or injury whatsoever arising from their storage, handling, application or use. These conditions cannot be varied by our staff or agents whether or not they supervise or assist in the use of such goods.